

FIG.1

FIG.2A

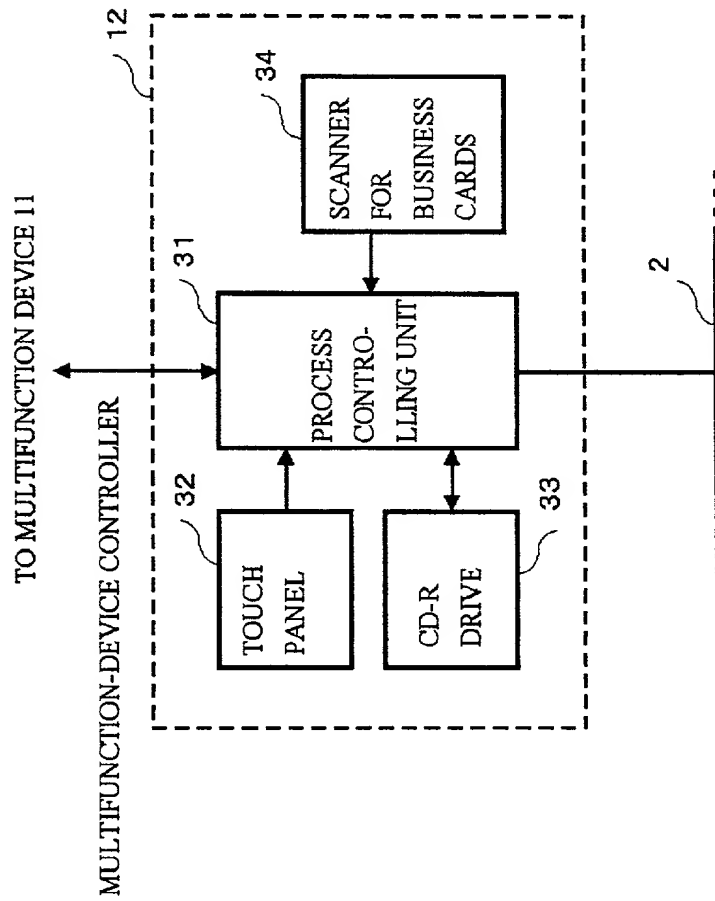
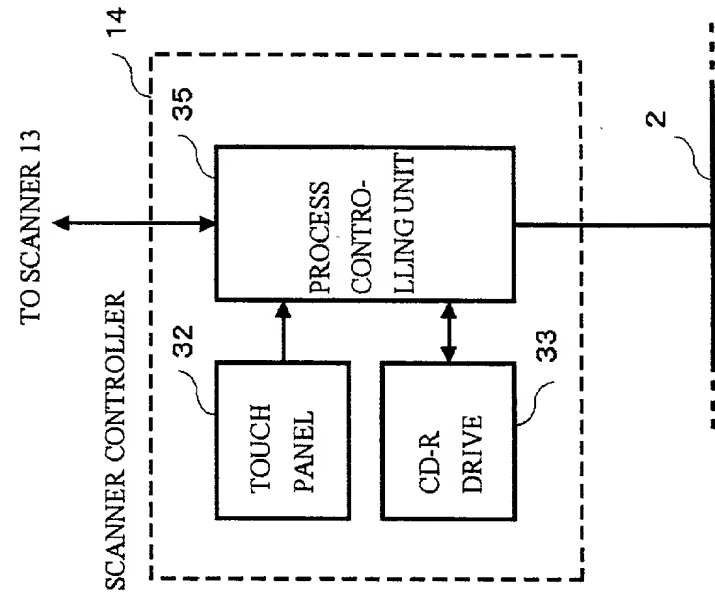


FIG.2B



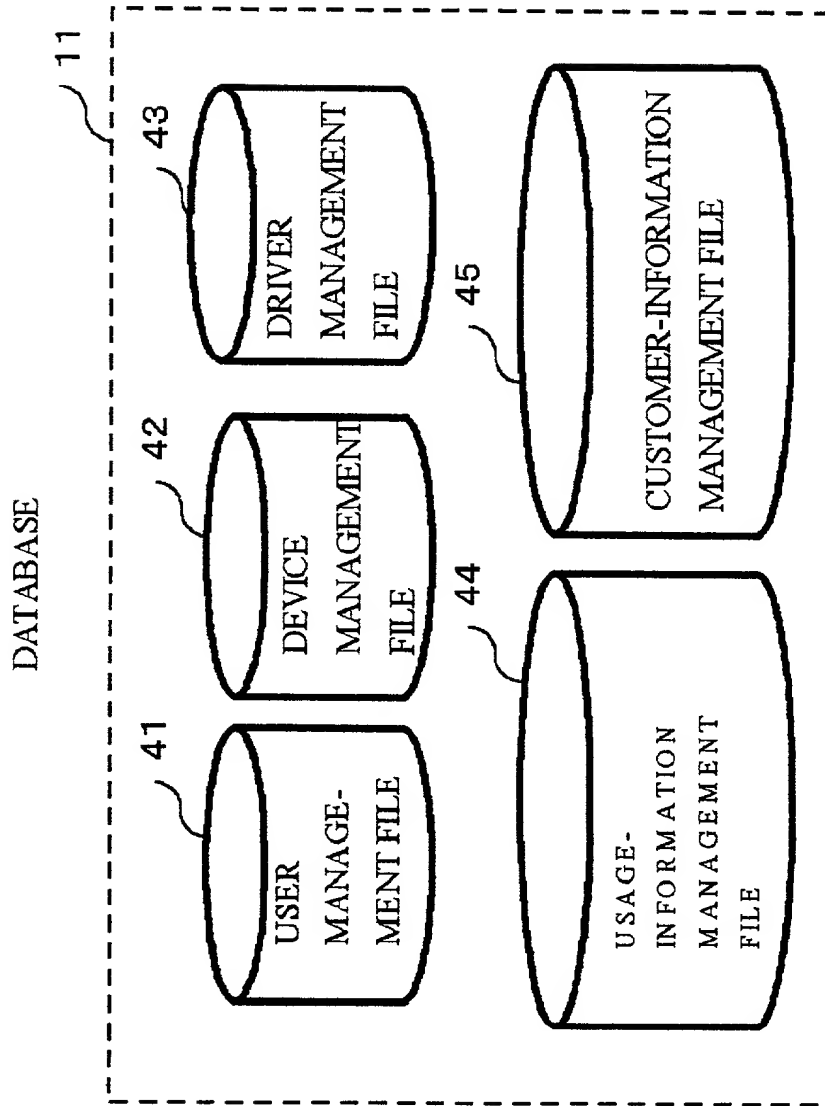


FIG.3

FIG.4A

USER MANAGEMENT FILE

ID NUMBER	NAME	SECTION CODE	SECTION NAME	TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
1234567	SUSAN BECKER	123	ABC SECTION	1234-5678	8765-4321	yama@ri.co.jp
2345678	JOHN OLSON	234	XYZ SECTION	2345-6789	9876-5432	ta@ri.co.jp
⋮	⋮	⋮	⋮	⋮	⋮	⋮

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FIG.4.B

DEVICE MANAGEMENT FILE

SERIAL NUMBER	MODEL NAME	CLASSIFICATION	NETWORK ADDRESS	LOCATION	-----
1234	ABC-1234	MULTIFUNCTION DEVICE	192.168.0.1	5-TH FLOOR	-----
2345	BCD-2345	PRINTER	192.168.0.2	4-TH FLOOR	-----
⋮	⋮	⋮	⋮	⋮	⋮

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FIG.4C

DRIVER MANAGEMENT FILE

MODEL NAME	VERSION	STORAGE FOLDER	
ABC-1234	1.01	%sys%abc%drv	-----
BCD-2345	2.03	%sys%bcd%drv	-----
⋮	⋮	⋮	-----

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FIG.5A

USAGE-INFORMATION MANAGEMENT FILE 44

SERIAL NUMBER	ID NUMBER	BOTH-SIDE PRINTING(SC ANNING)	A 4	A 3	B 4	B 5	-----
1234	1234567	12	234	0	0	45	-----
	2345678	0	345	23	456	678	-----
	⋮	⋮	⋮	⋮	⋮	⋮	-----

FIG.5B

CUSTOMER-INFORMARION MANAGEMENT FILE 45

CUSTOMER ID	NAME	COMPANY CODE	COMPANY NAME	FAX NUMBER	EMAIL ADDRESS	-----
3456789	JOHN OLSON	345	AB MEDICAL CORPRATION	3456-7890	ab@cd.co.jp	-----
4567890	SUSAN BECKER	456	XY ELECTRONICS	4567-8901	bc@de.co.jp	-----
⋮	⋮	⋮	⋮	⋮	⋮	-----

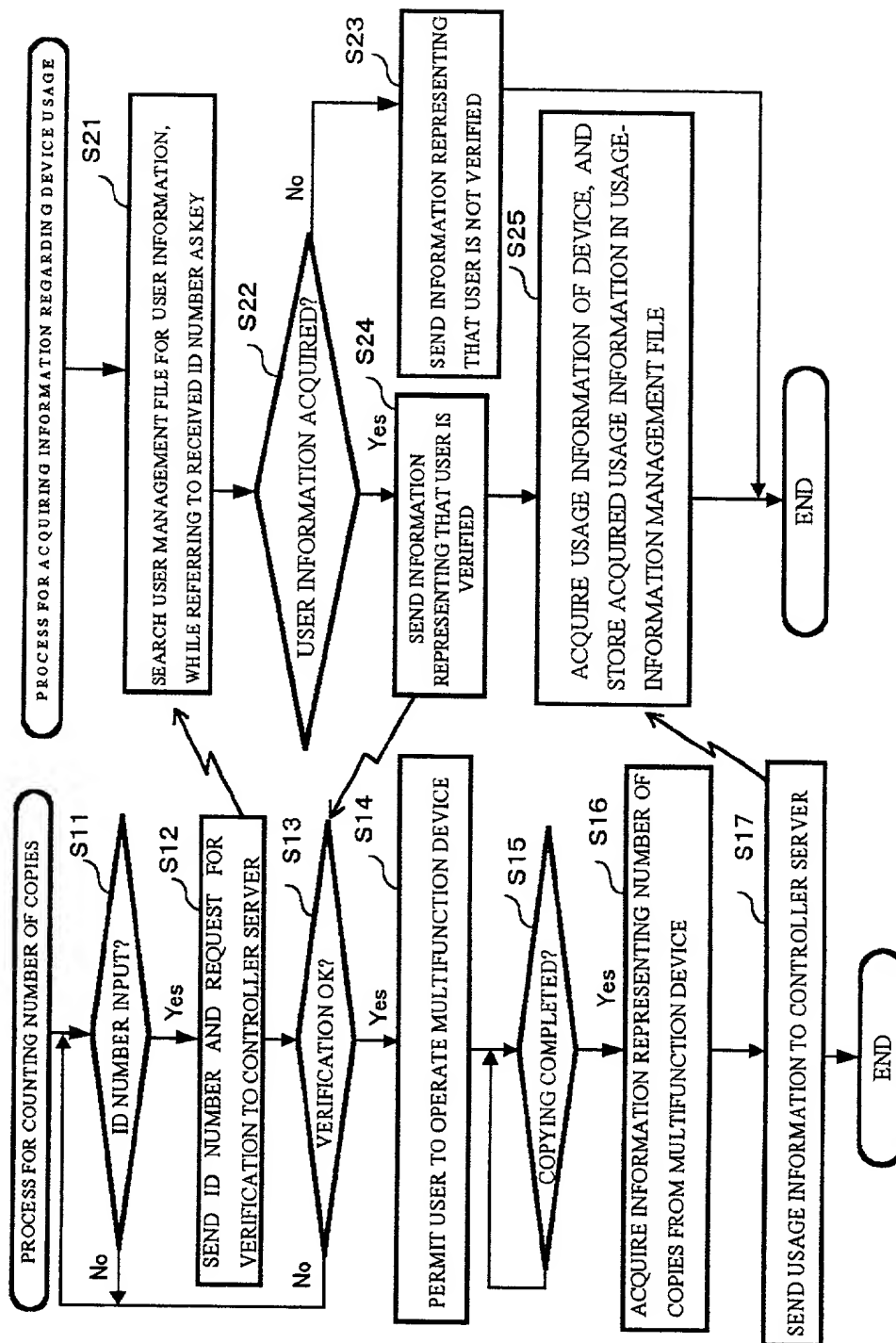
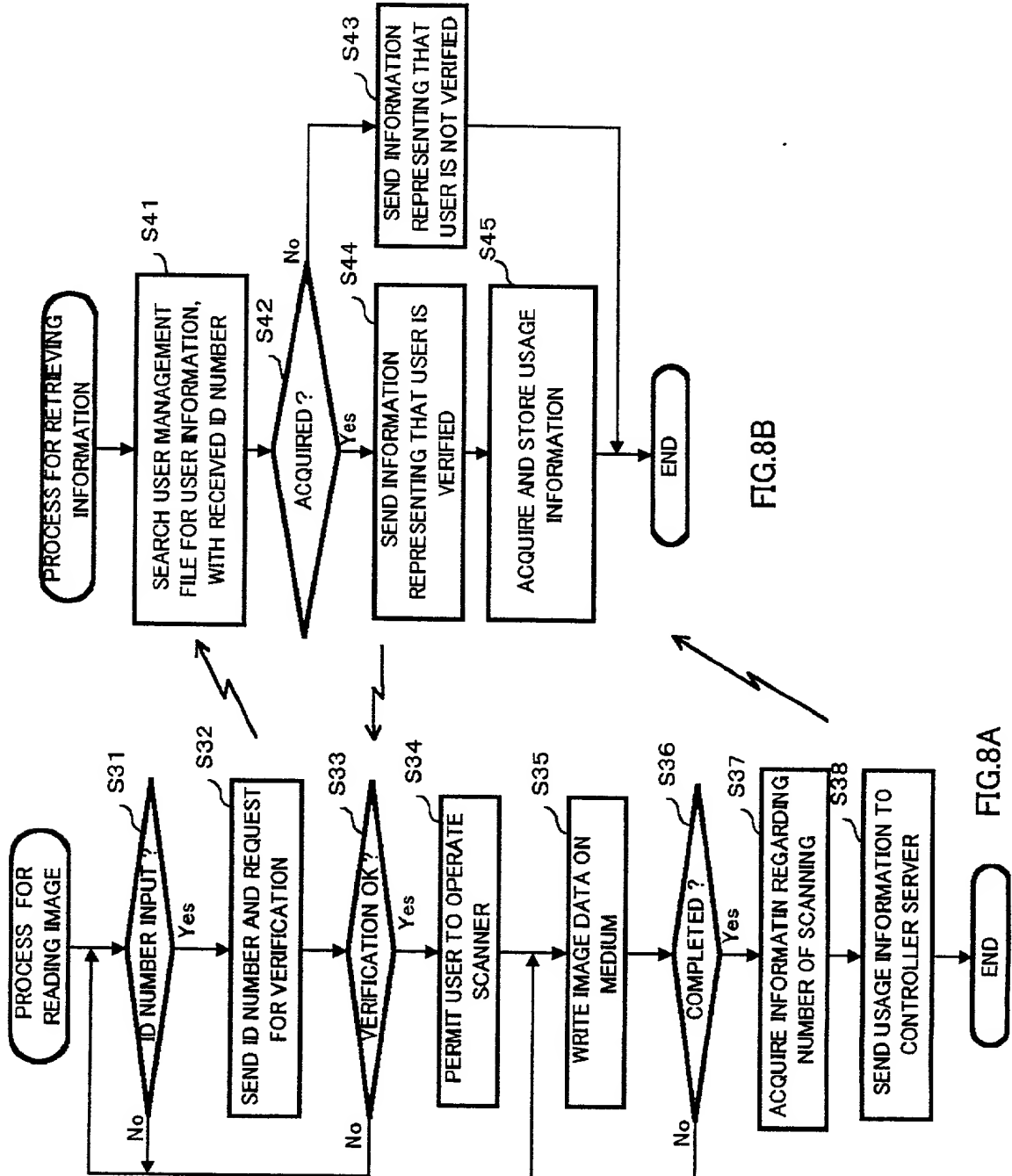


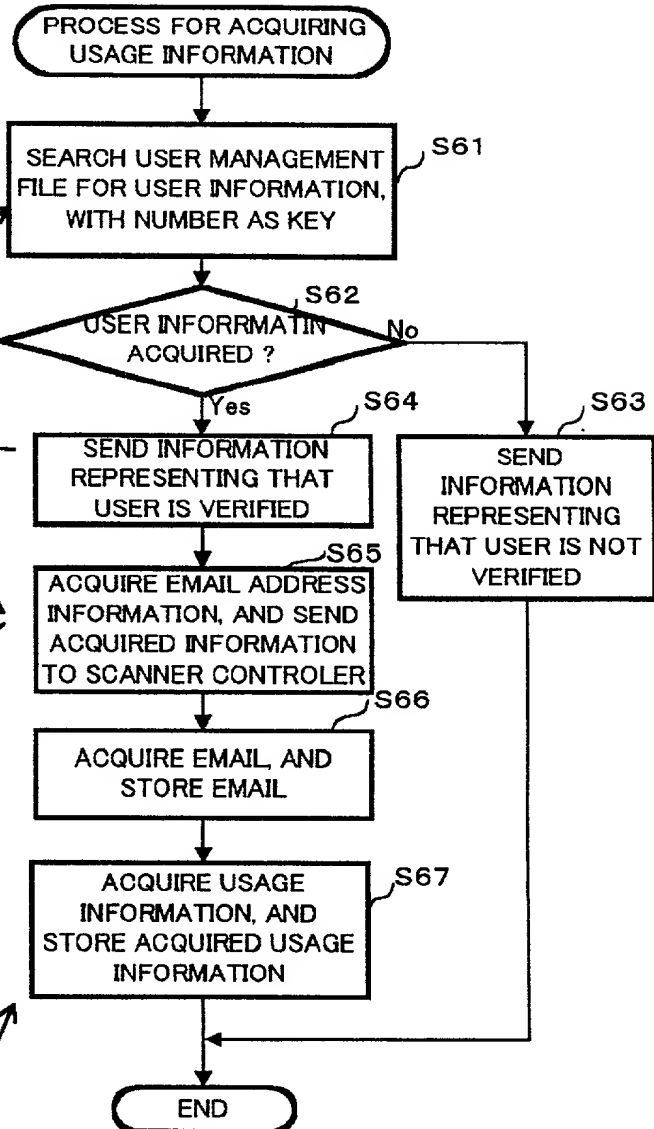
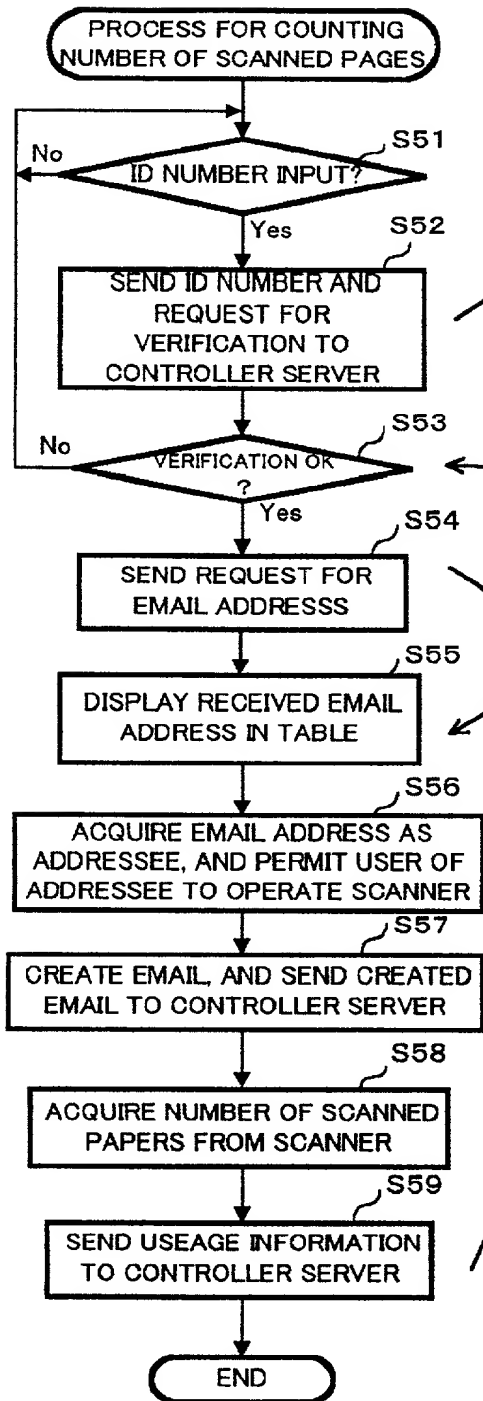
FIG. 6B

DEVICE SERIAL	ID	A 4	B 5	DATE/TIME	-----
1234	1234567	12	24	2/8-9:53	-----

FIG.7







NAME	COMPANY	EMAIL ADDRESS	- - - -
John Olson	ABC Medecal	ab@cd.co.jp	- - - -
Susan Becker : : :	XYZ Electronics : :	bc@de.co.jp : :	- - - -

FIG.10

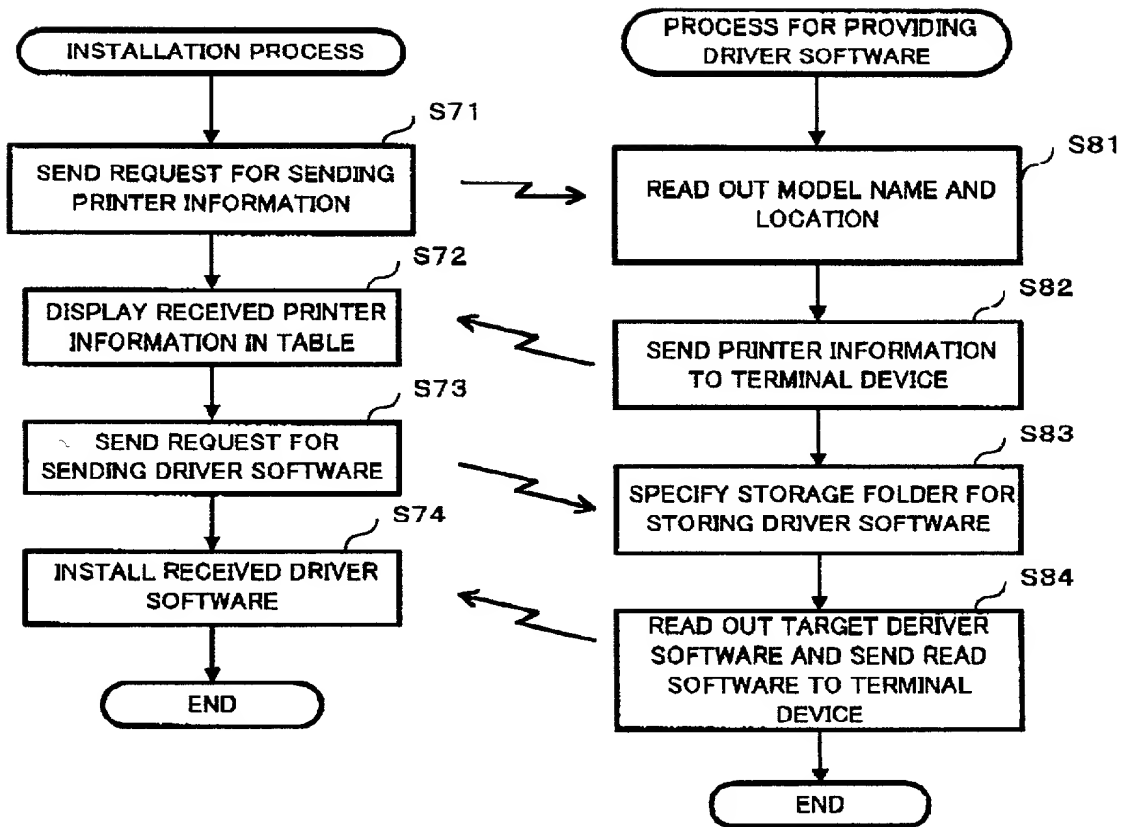


FIG.11A

FIG.11B

MODEL	LOCATION	---
ABC-1234	ABC SECTION	---
BCD-2345	XYZ SECTION	---

FIG.12



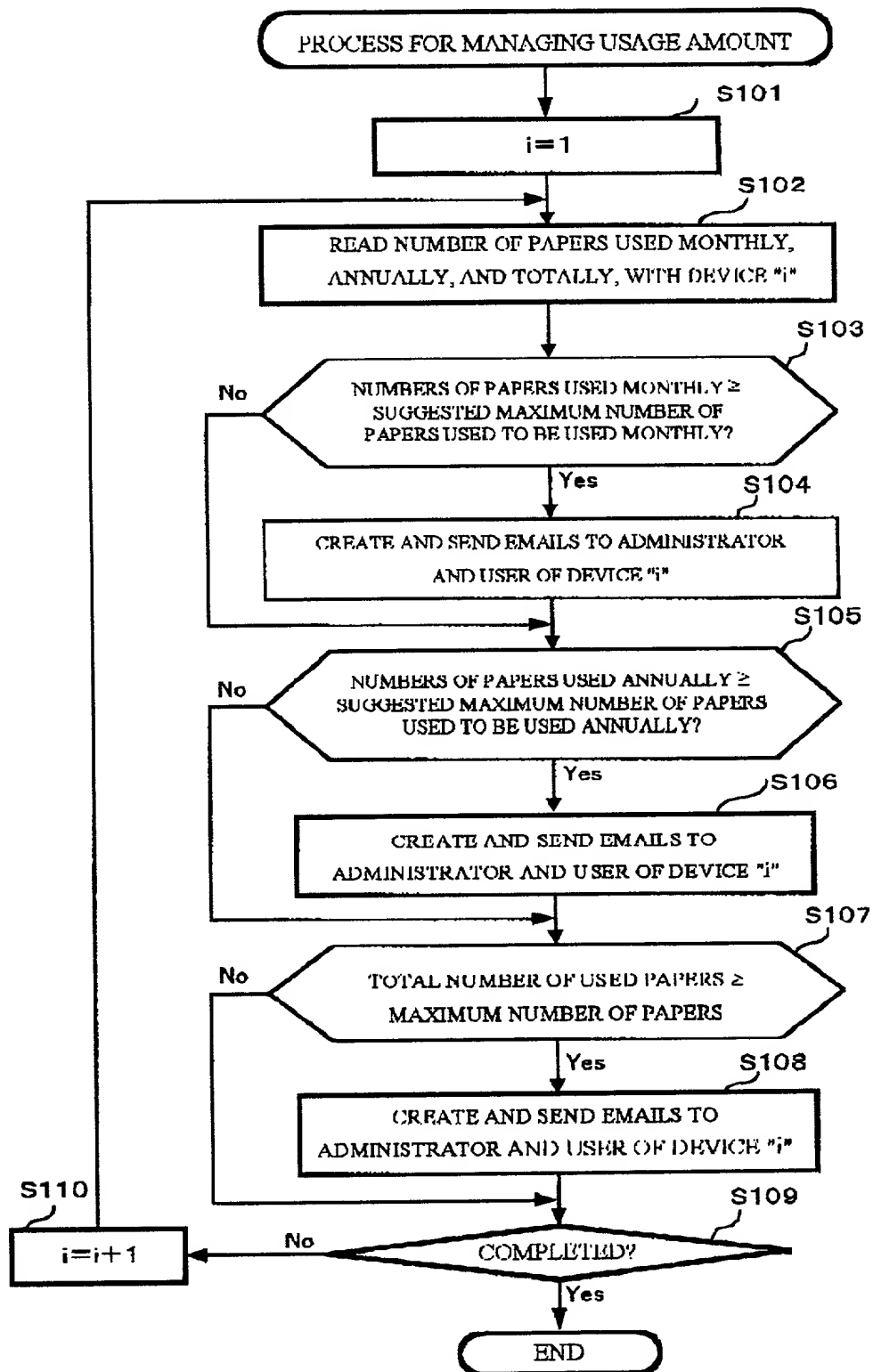


FIG. 14

FIG. 15A

EMAIL ADDRESSED TO  
ADMINISTRATOR

MONTHLY USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED MONTHLY.

INSTRUCT USERS TO USE, FROM NOW ON,  
SUBSTITUTE DEVICE, SERIAL NUMBER ABC-  
9876.

FIG. 15B

EMAIL ADDRESSED TO USER

MONTHLY USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED MONTHLY.

USE, FROM NOW ON, SUBSTITUTE DEVICE,  
SERIAL NUMBER ABC-9876.

FIG. 15C

EMAIL ADDRESSED TO  
ADMINISTRATOR

ANNUALLY USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED ANNUALLY.

INSTRUCT USERS TO USE, FROM NOW ON,  
SUBSTITUTE DEVICE, SERIAL NUMBER ABC-  
9876.

FIG. 15D

EMAIL ADDRESSED TO USER

ANNUAL USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED ANNUALLY.

USE, FROM NOW ON, SUBSTITUTE DEVICE,  
SERIAL NUMBER ABC-9876.

DEVICE MANAGEMENT FILE 42

SERIAL NUMBER	MODEL NAME	CLASSIFICATION	NETWORK ADDRESS	LOCATION
1234	ABC-1234	MULTIFUNCTION DEVICE	192.168.0.1	5-TH FLOOR
2345	BCD-2345	PRINTER	192.168.0.2	4-TH FLOOR

NUMBER OF PAPERS SINCE PREVIOUS REPLACEMENT OF EXPENDABLE 1 (TONER)	NUMBER OF PAPERS OF REMINDING USAGE OF EXPENDABLE 1 (TONER)	NUMBER OF PAPERS SINCE PREVIOUS REPLACEMENT OF EXPENDABLE 2 (PHOTOCOnductor)	NUMBER OF PAPERS OF REMINDING USAGE OF EXPENDABLE 2 (PHOTOCOnductor)	NUMBER OF PAPERS SINCE PREVIOUS REPLACEMENT OF EXPENDABLE 2 (PHOTOCOnductor)	NUMBER OF PAPERS OF REMINDING USAGE OF EXPENDABLE 2 (PHOTOCOnductor)	SUBSTITUTE
22500	5500	11111	12000	8800	2800	ABC-9876
33250	4250	9999	11000	6600	1500	BCD-4418

FIG.16



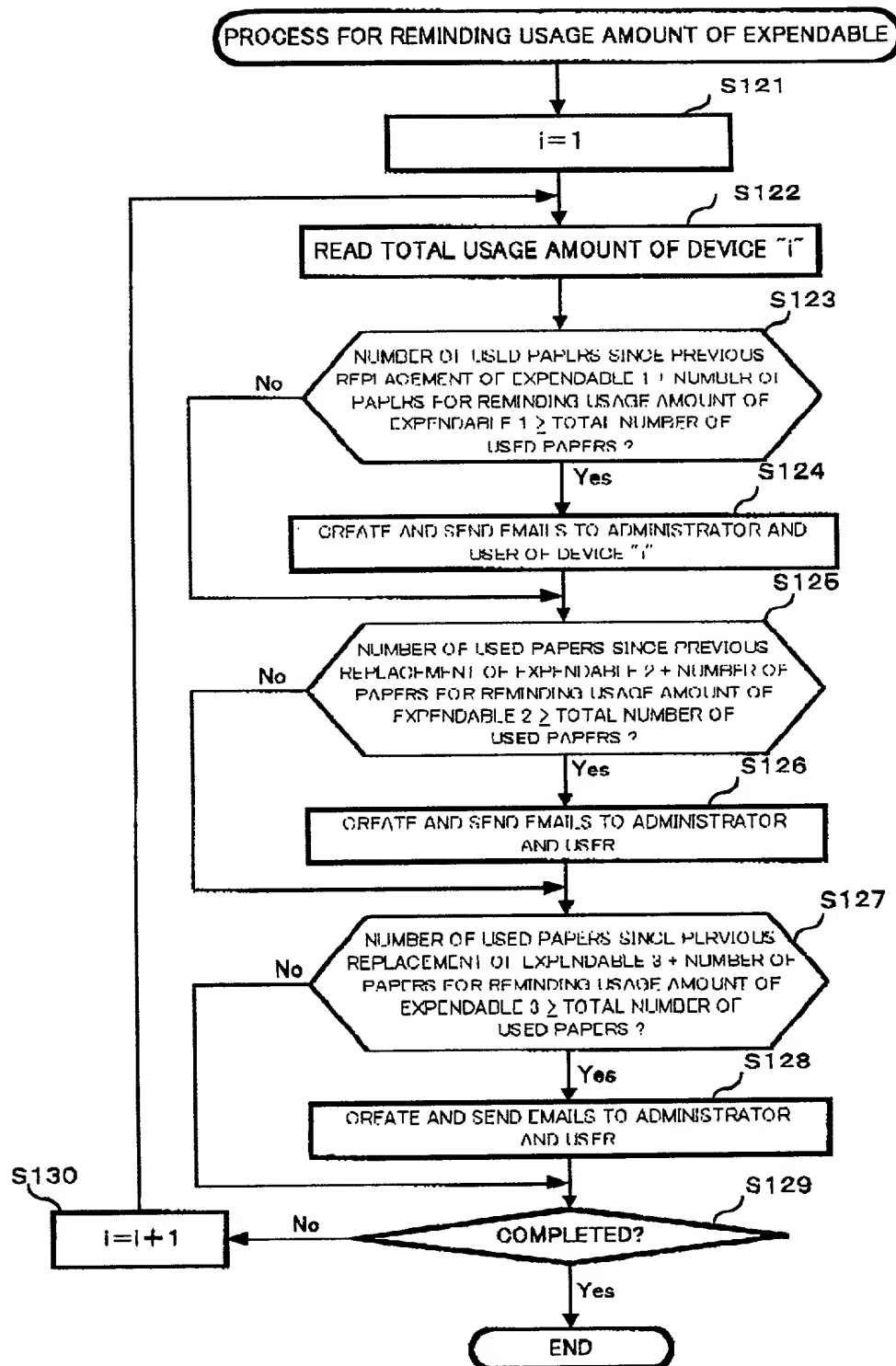


FIG. 17

FIG. 18A

EMAIL ADDRESSED TO ADMINISTRATOR

ALMOST TIME TO REPLACE EXPENDABLE 1  
(TONER) IN DEVICE, SERIAL NUMBER ABC-1234.

GET READY TO REPLACE TONER 1.

FIG. 18B

EMAIL ADDRESSED TO USER

ALMOST TIME TO REPLACE EXPENDABLE 1  
(TONER) IN DEVICE, SERIAL NUMBER ABC-1234.

CHECK OUTPUT PRINT.

IN CASE OF FAILURE, USE DEVICE, SERIAL  
NUMBER ABC-9876, INSTEAD.



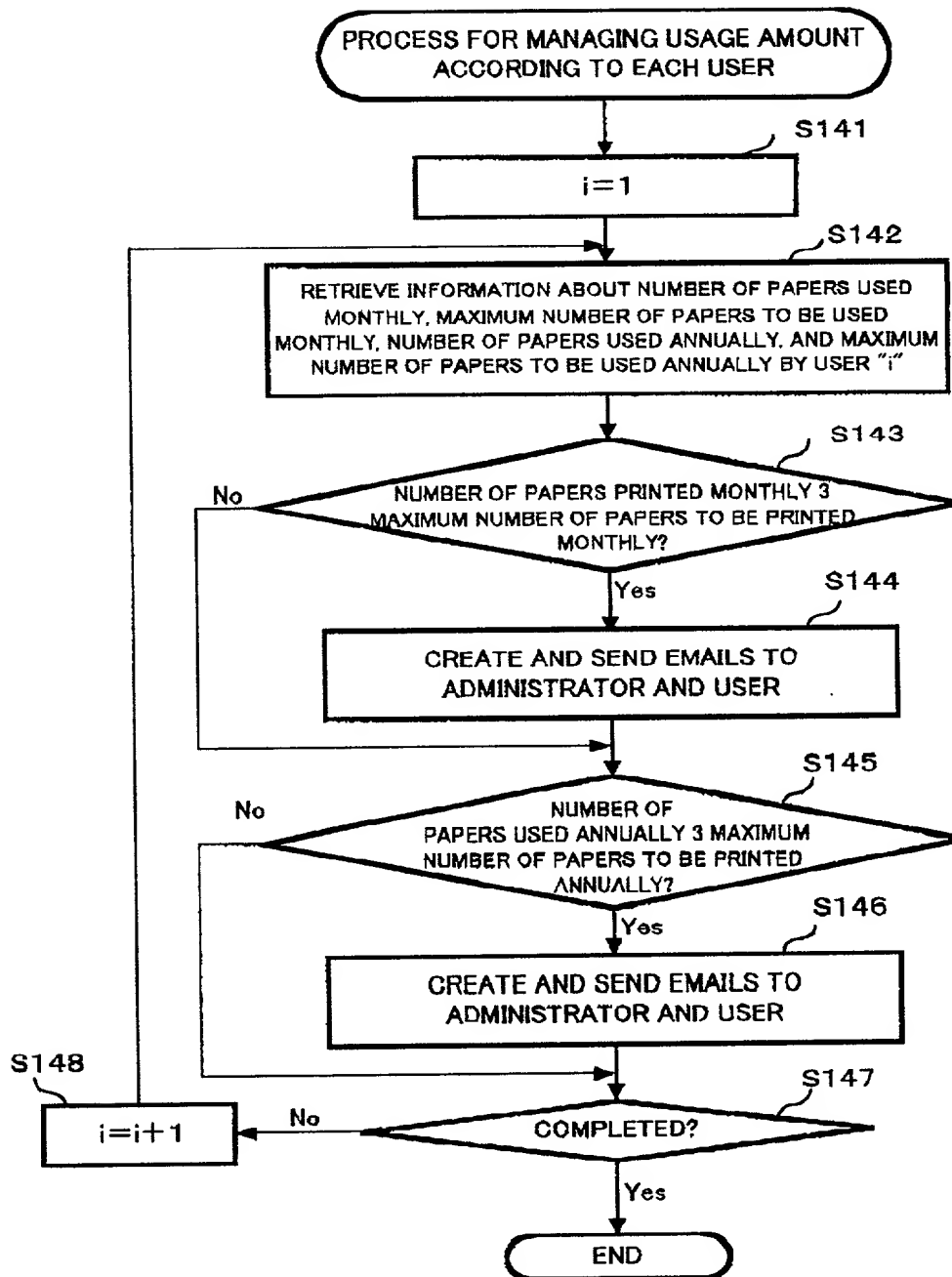


FIG. 20

EMAIL ADDRESSED TO ADMINISTRATOR

FIG. 21A

NUMBER OF PAPERS PRINTED BY USER  
"SUSAN BECKER" HAS EXCEEDED MAXIMUM  
NUMBER OF PAPERS TO BE PRINTED MONTHLY.

EMAIL ADDRESSED TO USER

FIG. 21B

YOU HAVE PRINTED (USED) NUMBER OF  
PAPERS WHICH HAS EXCEEDED MAXIMUM  
NUMBER OF PAPERS TO BE PRINTED MONTHLY.

REFRAIN FROM UNNECESSARY PRINTING.

SECTION MANAGEMENT FILE 48

SECTION CODE	SECTION NAME	COMPOSIT ION STAFF ID NUMBER	COMPOSIT ION STAFF NAME	NUMBER OF PAPERS PRINTED MONTHLY	MAXIMUM NUMBER OF PAPERS TO BE PRINTED MONTHLY	NUMBER OF PAPERS PRINTED ANNUALLY	MAXIMUM NUMBER OF PAPERS TO BE PRINTED ANNUALLY	----
123	ABC SECTION	1234567 3456788 : : :	SUSAN BECKER MAT DAVIDSON : : :	1721	23345	123391	226691	----
234	XYZ SECTION	2345678 5678901	JOHN DAWSON ANN GREENIDGE	1654	9765	31882	92344	----
: : :	: : :	: : :	: : :	: : :	: : :	: : :	: : :	: : :

FIG. 22

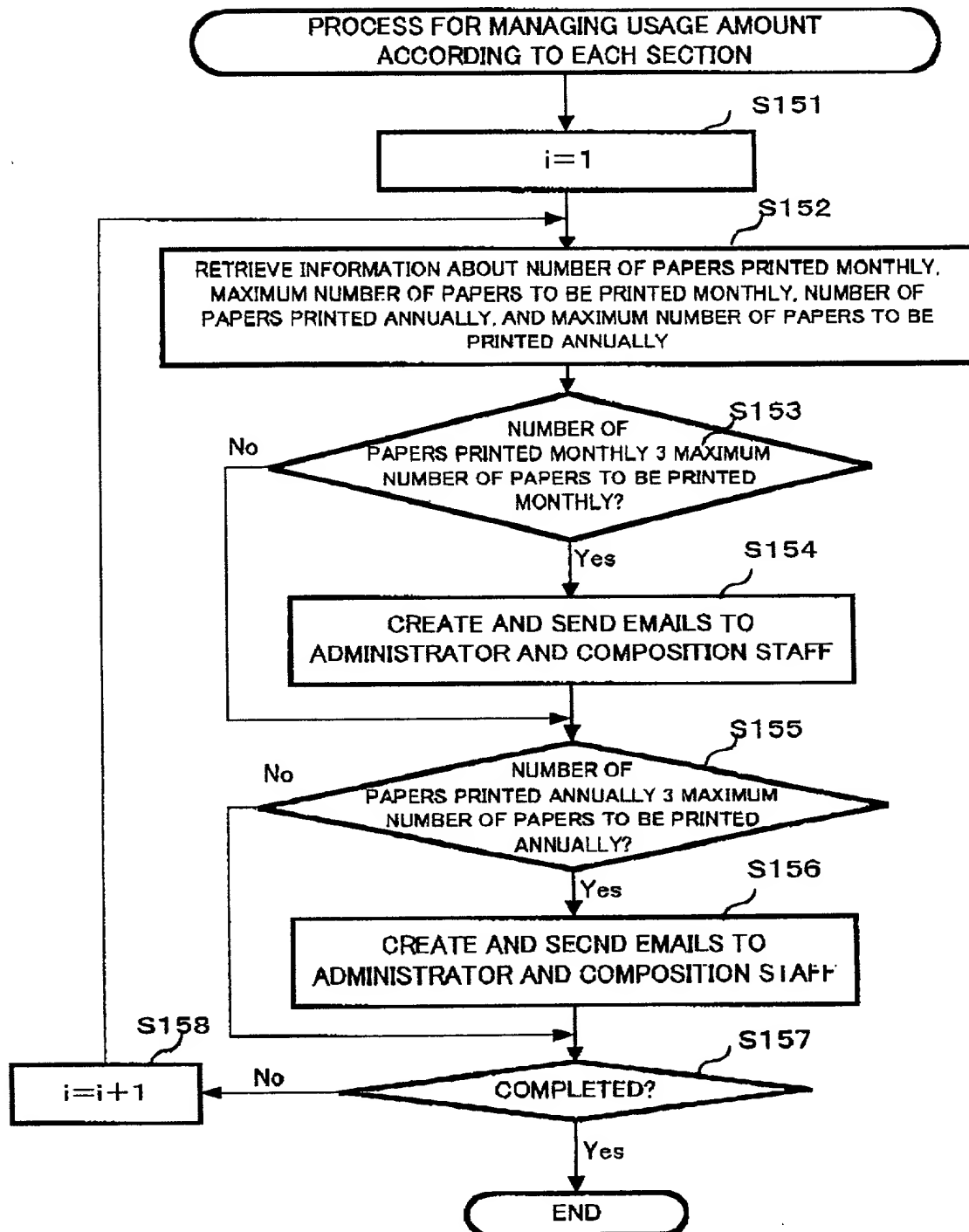


FIG. 23

FIG. 24A

EMAIL ADDRESSED TO ADMINISTRATOR

NUMBER OF PAPERS PRINTED BY SECTION  
123456 HAS EXCEEDED MAXIMUM NUMBER OF  
PAPERS TO BE USED MONTHLY.

FIG. 24B

EMAIL ADDRESSED TO USER

NUMBER OF PAPERS PRINTED BY SECTION  
123456 HAS EXCEEDED MAXIMUM NUMBER OF  
PAPERS TO BE USED MONTHLY.

REFRAIN FROM UNNECESSARY PRINTING.



DEVICE MANAGEMENT FILE 42

SERIAL NUMBER	MODEL NAME	CLASSIFICA TION	NETWORK ADDRESS	LOCATION	SUGGESTED MAXIMUM NUMBER OF PAPERS TO BE USED MONTHLY	SUGGESTED MAXIMUM NUMBER OF PAPERS TO BE USED ANNUALLY	SUGGESTED MINIMUM NUMBER OF PAPERS TO BE USED MONTHLY	SUGGESTED MINIMUM NUMBER OF PAPERS TO BE USED ANNUALLY	...
1234	ABC-1234	MULTIFUNCT ION DEVICE	192.168.0.1	AT WINDOW OF ABC SECTION ON 5-TH FLOOR	12000	100000	6000	50000	...
2345	BCD-2345	PRINTER	192.168.0.2	AT ENTRANCE OF XYZ SECTION ON 4-TH FLOOR	6000	50000	3000	25000	...
...	...	...	...	...	...	...	...	...	...

FIG. 25

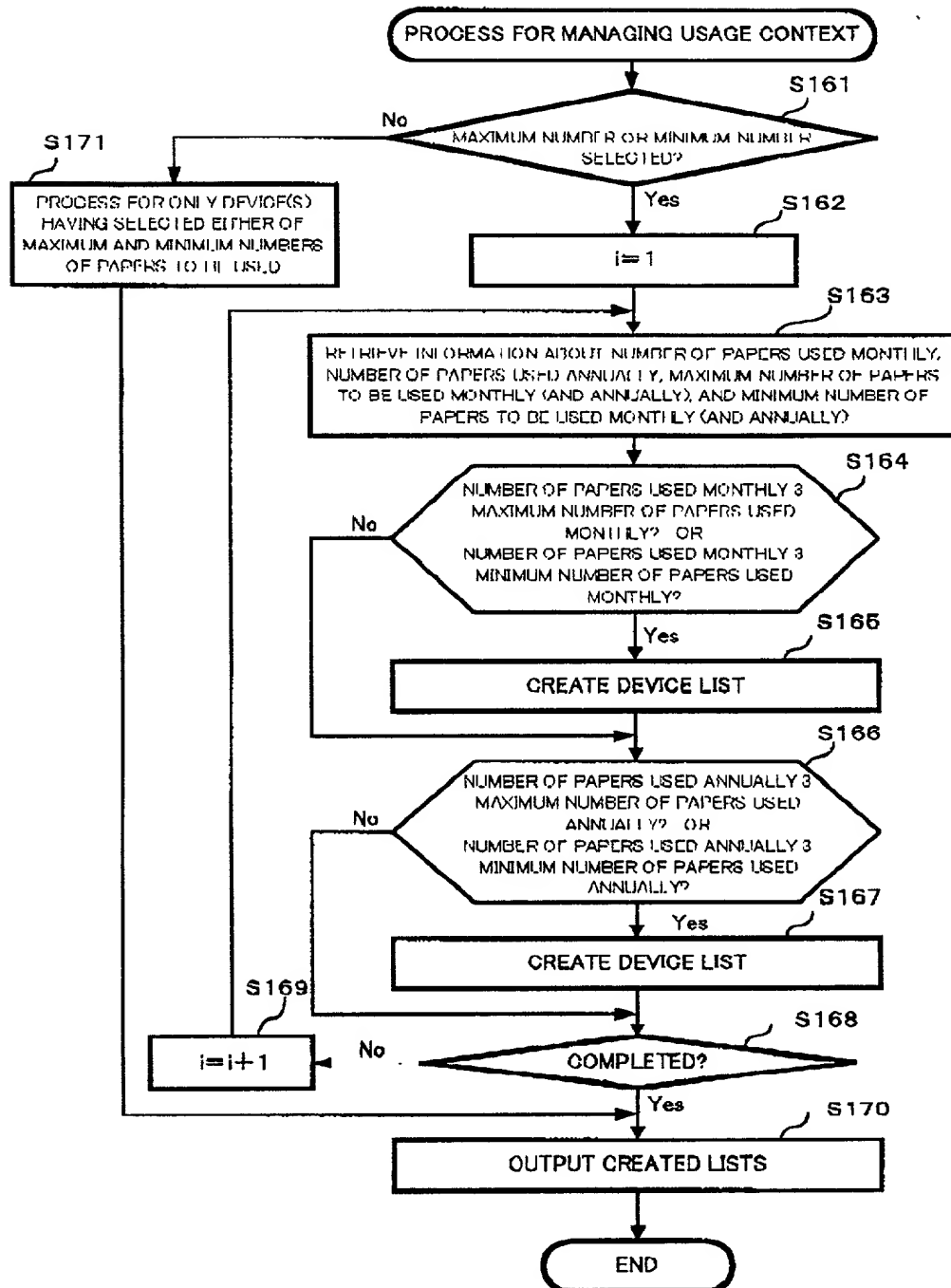


FIG. 26

DEVICE WHICH ARE USED TO PRINT LARGER NUMBER OF PAPERS THAN MAXIMUM NUMBER OF PAPERS TO BE USED MONTHLY

CLASSIFICATION	SERIAL NUMBER	LOCATION	MAXIMUM NUMBER OF PAPERS TO BE USED MONTHLY	NUMBER OF PAPERS USED MONTHLY	-----
MULTI- FUNCTION DEVICE	1234	5-TH FLOOR	765	766	-----
	3574	2-TH FLOOR	22765	22775	-----
	:	:	:	:	:
	:	:	:	:	:
PRINTER	2345	4-TH FLOOR	999	1000	

FIG27A

DEVICE WHICH ARE USED TO PRINT LARGER NUMBER OF PAPERS THAN MAXIMUM NUMBER OF PAPERS TO BE USED ANNUALLY

CLASSIFICATION	SERIAL NUMBER	LOCATION	MAXIMUM NUMBER OF PAPERS TO BE USED MONTHLY	NUMBER OF PAPERS USED MONTHLY	-----
MULTI- FUNCTION DEVICE	1234	5-TH FLOOR	9765	9766	-----
PRINTER	NONE				

FIG27B

DEVICE WHICH ARE USED TO PRINT SMALLER NUMBER OF PAPERS THAN MINIMUM NUMBER OF PAPERS TO BE USED MONTHLY

CLASSIFICATION	SERIAL NUMBER	LOCATION	MINIMUM NUMBER OF PAPERS TO BE USED MONTHLY	NUMBER OF PAPERS USED MONTHLY	-----
MULTI- FUNCTION DEVICE	3329	9-TH FLOOR	500	200	-----
PRINTER	5234	4-TH FLOOR	2300	1000	-----

FIG.27C

DEVICE WHICH ARE USED TO PRINT SMALLER NUMBER OF PAPERS THAN MINIMUM NUMBER OF PAPERS TO BE USED ANNUALLY

CLASSIFICATION	SERIAL NUMBER	LOCATION	MINIMUM NUMBER OF PAPERS TO BE USED MONTHLY	NUMBER OF PAPERS USED MONTHLY	-----
MULTI- FUNCTION DEVICE	15834	EXECUTIVE'S ROOM	9765	9766	-----
PRINTER	2222	MEETING ROOM	22222	2222	-----

FIG.27D

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DRIVER MANAGEMENT FILE				
MODEL NAME	VERSION	SOFTWARE-STORAGE FOLDER	LIST OF USERS HAVING DOWNLOADED DRIVER	
			1	2
ABC-1234	1.01	¥sys¥abc¥drv	Y:1234567	Y:2345678
BCD-2345	2.03	¥sys¥bcd¥drv	N:1234567	Y:2348878
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

FIG. 28



EMAIL ADDRESSED TO USER HAVING  
DOWNLOADED DRIVER-SOFTWARE

DRIVER SOFTWARE OF "PRINTER BCD-2345" IS  
UPGRADED TO "VERSION 2.03".  
DOWNLOAD UPGRADED DRIVER SOFTWARE.

SOFTWARE-STORAGE HOLDER IS "%sys%bcd%drv".

FIG. 30